


Product Information	SP10G30CC100	 Sam Polymer Bonyan
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SP10G30CC100 is a natural polypropylene reinforced by 30% glass fiber.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.13	g/cm ³
Melt Flow Rate (MFR)	D1238	230°C, 2.16 kg	7	g/10min
Mold Shrinkage	D955	In Flow, (2 mm, 60 MPa)	0.5	%
		Cross Flow, (2 mm, 60 MPa)	0.9	%
MECHANICAL				
Tensile Strength, Break	D638	23°C, Speed 5 mm/min	90	MPa
Tensile Elongation, Break	D638	23°C, Speed 5 mm/min	3.0	%
Flexural Strength	D790	23°C	137	MPa
Flexural Modulus	D790	23°C	5700	MPa
Izod Impact Strength	D256	notched, 23°C	13	KJ/m ²
THERMAL				
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	157	°C
		1.80 Mpa	148	°C
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	135	°C

Processing Guidelines

Predrying	Drying Time: 2-4 h	Drying Temperature: 80 -100 °C
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Injection Molding	Cylinder Temperature (°C)	Mold Temperature (°C)	Injection Speed	Injection Pressure (MPa)
	190 - 220	40 - 70	Medium	50 - 100

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests.